

ME6924 FD

Industrial Qualcomm® QCN9024 Embedded 802.11ax 4x4 MIMO 2.4G & 5G Dual-Band Wireless Module



Features

ME6622 F5 is an embedded wireless module with Mini-PCIe interface. It adopts Qualcomm® QCN6024 chip, conforms to 802.11ax Wi-Fi 6 standard, supports AP and STA functions, and has 4x4 MIMO and 4 spatial streams at the same time. The transmission efficiency is higher than that of the previous generation of wireless network cards, and it has the function of dynamic frequency selection (DFS).

Specification

CHIP	QCN9024
IEEE STANDARD	IEEE 802.11ax
INTERFACE	PCI Express 3.0, Mini-PCIe
WORKING VOLTAGE	3.3V
FREQUENCY RANGE	2.4GHz: 2.412~2.472GHz; 5GHz: 5180~5320GHz, 5745~5825GHz
MODULATION TECHNIQUE	OFDMA: BPSK, QPSK, DBPSK, DQPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM
OUTPUT POWER (SINGLE CHANNEL)	2.4GHz 802.11b/g/n/ax Max. 20dBm; 5GHz 802.11a/an/ac/ax: Max. 19dBm
POWER CONSUMPTION	≤9W
BANDWIDTH	2.4G: 20/40MHz; 5G: 20/40/80/160MHz
RECEIVER SENSITIVITY	11ax: HE20 MCS0 <-95dBm / MCS11 <-62dBm HE40 MCS0 <-89dBm / MCS11 <-60dBm HE80 MCS0 <-86dBm / MCS11 <-56dBm HE160 MCS0 <-87dBm / MCS9 <-64dBm
ANTENNA INTERFACE	4x U.FL
OPERATION REQUIREMENT	Temperature: -20°C to 70°C / Humidity: 95% (non-condensing)
STORAGE REQUIREMENT	Temperature: -40°C to 90°C / Humidity: 90% (non-condensing)
CERTIFIED	REACH & RoHS compliance
WEIGHT	18g